

December, 1985

PAARA

GRAPHS

Featuring:

An announcement of the release of
the 145.230 MHz repeater autodial
codes, a relevant article dealing
with the causes and cures of VCR
TVI, Red Cross, and much more!



**THE OFFICIAL NEWSLETTER
OF THE PALO ALTO AMATEUR
RADIO ASSOCIATION**

AND

THE MENLO PARK C.D. AMATEUR RADIO CLUB

PAARAGraphs is the official newsletter of
the Palo Alto Amateur Radio Association &
the Menlo Park Civil Defense Radio Club

1985 CLUB OFFICERS

President	Alan Larson	WA6AZP	326-6430
Vice-President	Andy Korsak	VE3FZK	366-5228
Secretary	Bill King	N6CHI	595-0258
Treasurer	Jack McEnnerney	W6LII	591-8526
Trustee, W6QTX	Fred Canham	K6YT	948-9238
Property	Ed Fairbanks	W6AIN	322-0319
Co-Property/Badges	Fred Canham	K6YT	948-9238
Refreshments	Frank Chandler	WB6QPV	322-7678
ARES Officer	Steve Stuntz	K6FS	322-4952
Club Historian	Jerry Zobel	W6ARA	322-0063

BOARD OF DIRECTORS

Ed Fairbanks	W6AIN	322-0319
Andy Anderson	K6EHS	494-0831
Gerry Tucker	WA6LNV	326-4908
Tom Scherf	K6JBR	365-4068
Ron Panton	W6VG	854-4814
Gerry Wagstaffe	W6NIR	325-4670

PAARAGRAPIHS STAFF

Editor	Rob Taylor	KA6NAN	857-9138
Advertising	Swede Swenson	N6CHL	368-8503
Mailing	Bill McElhinney	KA6LZI	325-9808
Associate Editor	Ken Dueker	KB6BPM	322-6984

Club Net 147.45 MHz, Monday at 8:30 p.m. local time

PAARA Policies

Membership in PAARA is 6 dollars per calendar year (payable in January) which includes a subscription to PAARAGraphs. Make payment to PAARA,

Speaker for Dec 6th meeting will be

Ken Manders

WB6CN1

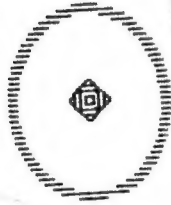
who will speak on

Antenna Design

Misc Info

VEC info can be obtained by calling (408) 984-8353. The closest exam coming up soon is in Cupertino, on Dec 7th. It will be held at Tandom, walk-ins only, \$4.00 fee; call for more info.

Code Practice - W6QIE can be heard nightly starting at 8PM, every day except monday, on 3.590 MHz. They start at 5WPM, and progress over the hour to 35 WPM!



145.230 M

10 AutoDial Codes

The 145.230 Repeater now has 10 AutoDial codes for AAA, Local Police, etc. These are available to licensed hams. To get yours, you need to send

- 1) A copy of your license.
- 2) a S.A.S.E (self addressed stamped envelope)

To: Rich Stiebel
840 Talisman Dr.
Palo Alto, Ca.

Hwy 101

Bay Road

Woodside Road

Ampex Cafeteria

8:00 PM - DEC. 3, 1985

The Pacific Packet Radio Society meets on the first Tuesday of every month. The next monthly meeting of the PPRS will be Tuesday Dec 3rd at the Ampex Cafeteria in Redwood City. This meeting will be our annual hardware review. We hope to have every type of packet board up and running at the meeting. Please plan to attend.

Reducing VCR TVI

Many of us are concerned about TVI. A particularly troublesome form of TVI is that which finds its way into home VCR's. After three early withdrawals from contests, I resolved to do something about my VCR interference, and hopefully find a solution that would keep both my kids and neighbors happy.

After five or six false starts, I discovered that most of the RFI was getting into my VCR from the shield on the 75 ohm coax. Most newer homes are wired for cable (as was mine), and the three or four hundred feet of shielding makes a wonderful antenna.

To test for this kind of interference, simply remove the antenna connection from the VCR and (with a tape playing) gradually put more power into your antenna system. In my case, if the cable distribution from my house was connected to the VCR, I had no interference while watching normal TV, but found that the picture was destroyed during record and playback. In my neighbor's case, I destroyed regular TV as well as VCR recording and playback with any power level above 100 watts. I also discovered that if I disconnected the cable system, I could run any power level and watch VCR tapes.

I first tried to get the RFI off the shield by using all of the published methods, i.e., ferrite, hi-pass filters, grounding, etc, etc. Nothing worked, until one day I figured that in a balanced system, both leads could be filtered. To accomplish this, I used two Radio Shack coax to 300 ohm baluns, and a six dollar balanced TVI filter.

(continued on next page)

(continued from previous page)

To use the set-up, simply hook the balun to filter to balun and place it into the line in front of the VCR (see diagram which follows). The results are very gratifying. I can run full legal power and See Page 10 simultaneously playback or record tapes on the VCR, in addition to watching regular TV. Somewhat more gratifying is the fact that my neighbor with the VCR hasn't had any interference after installing the same configuration.

TVI can take a lot of fun out of our hobby and cause a lot of bad publicity. I hope this simple, inexpensive remedy helps some of you put the fun back in contest weekends.

73,
Chuck,

W7MAP

(Editors note - this article is reprinted from the Nov 1985 "The Contest Jug", No 161. My thanks to Fred for submitting this article for reprint here)..

Tucson Amateur Packet Radio has announced that its new TNC 2 will be available beginning August 19. No orders are being taken before the 19th. Orders will be taken by telephone between 9 AM and 9 PM PDT, August 19 through 23, and during regular business hours thereafter. There are 280 TNC 2s on hand at TAPR, and these will be shipped immediately. Another 300 TNCs should be ready to ship sometime in mid-September. When you call to order a TNC, you will be told whether yours is to be part of the first batch or the second batch. The price of the TNC 2, including shipping, handling and credit-card charges will be \$200.85. The TAPR phone number is 602-746-1166. Congratulations to the TNC-2 volunteers for completing a significant packet-radio project.

From DRNET.

Taken from *Gateway*-- A.R.R.L.

6 STORE BUYING POWER

NEW!!

HERE'S WHERE
YOU GET THOSE
LOW, LOW PRICES ON
KENWOOD

PLUS FREE SHIPMENT

MOST ITEMS UPS SURFACE (Continental U.S.A.)

CALL NOW OR
DROP INTO ANY OF
OUR SIX LOCATIONS

**ESTABLISHED
FAVORITES**



TS-930S



TS-430S



TW-4000A

TH-21AT/
TH-41AT



TR-2600A



TM-211A/TM-411A



R-71A

GENERAL
COVERAGE
RECEIVER



IC-751



SALE!



IC-745

SUPER SAVINGS! CALL!

IC-02AT

IC-04AT



B-3016 SALE \$199.95

B-1016 SALE \$249.95

B-108 SALE \$159.95

B-23A SALE \$ 89.95

D-1010 SALE \$289.95

BIRD

MODEL 43
AND
ELEMENTS



CALL FOR PRICES



FT-726R



TOP CHOICE FOR OSCAR



FT-757GX

DON'T MISS
THESE
BARGAINS!
CALL!



FT-203R



FT-209RH

TRISTAO SALE

MA-40 SALE \$549

40' 2 SECT TUBULAR TOWER

MA-550 SALE \$899

55' 3 SECT TUBULAR TOWER

IN STOCK

KLM SALE

KT-34A SALE \$329

KT-34XA SALE \$469

40M-2 SALE \$309

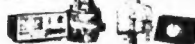
CALL FOR LOW LOW PRICES
80 THRU 1' AM KLM ANTENNAS

ALLIANCE

ROTOR SALE

HD-73

U-110



\$99.95 \$54.95



W-51

\$899

W-36

\$549

LM-354

\$1599

SALE

IN STOCK

PERSONALIZED SERVICE

BOB FERRERO, W6RJ

President

JIM RAFFERTY, N6RJ

VP, So. Calif. Div. Anaheim

Managers:

GEORGE W6POV Burlingame

GEORGE W6POV Oakland

BOB K7ROH Phoenix

GLEN K6KNA San Diego

AL K6YRA Van Nuys

and other active amateurs

FREE SHIPMENT

UPS SURFACE (Continental U.S.) (MOST ITEMS)

TOLL-FREE PHONE
INCLUDING ALASKA AND HAWAII

800-854-6046

(Calif. and Arizona customers please phone or visit listed stores)

PHONE HOURS: 9:30 AM to 5:30 PM PACIFIC TIME.

STORE HOURS: 10 AM to 5:30 PM Mon. through Sat.

**HAM
RADIO
OUTLET**

ANAHEIM, CA 92801

2620 W. La Palma,

(714) 761-3033, (213) 860-2040,

Between Disneyland & Knotts Berry Farm

BURLINGAME, CA 94010

999 Howard Ave.,

(415) 312-5757,

5 miles south on 101 from S.F. Airport.

OAKLAND, CA 94609

2811 Telegraph Ave.,

(415) 451-5757,

Hwy 24 Downtown. Left 27th off-ramp

PHOENIX, AZ 85015

1702 W. Camelback Rd.,

(602) 242-3515,

East of Highway 17

SAN DIEGO, CA 92123

5375 Kearny Villa Rd.,

(619) 560-4900,

Hwy 163 & Clairemont Mesa Blvd

VAN NUYS, CA 91401

6265 Sepulveda Blvd.,

(818) 988-2212,

San Diego Fwy at Victory Blvd



AEA • ALLIANCE • ALPHA • AMATEUR • AMPHIBIOUS • ANTELLA
BAND • ANTENNA SPECIALISTS • ARIZONA • BURLINGAME • BURLINGAME
BURLINGAME • BURLINGAME • BURLINGAME • BURLINGAME

COLORED • COUNTRY • COUNTRY • COUNTRY • COUNTRY • COUNTRY
EQUINE • EQUINE • EQUINE • EQUINE • EQUINE • EQUINE
KENTUCKY • KENTUCKY • KENTUCKY • KENTUCKY • KENTUCKY

MINIATURES • MIRAGE • NINE • PALMCOAST • RABBIT • RABBIT
SHIRAZ • SIGNAL ONE • STUNNER • TAMP • TEN TEL • TRISTAO
TRI-EX • VIEWSTAR • WOLF • WOLF • WOLF • WOLF

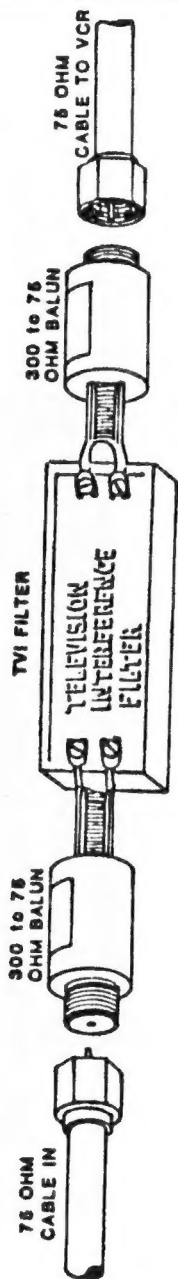
Prices, specifications, descriptions subject to change without notice. Calif. and Arizona residents please add sales tax.

The Palo Alto **Red Cross** is located at 400 Mitchell Lane, just across from the Palo Alto train station. Their phone number is **322-2143**.

The Multimedia Standard First Aid class are given at 3 locations (1 in Mountain View, 2 in Palo Alto). Upcoming classes include Dec 7th, or Dec 11/13, or Dec 2/4

CPR classes being offered include one class beginning on Dec 3rd (meets tues/thurs thru Dec 12), and another beginning on Dec 9th (meets mon/wed thru dec 18).

If you are interested in any of these classes, or would like to find out more about other offerings, contact the Red Cross at 322-2143.



VCR TVI Reduction Set-Up



QUEUMENT ELECTRONICS

1000 SO. BASCOM, SAN JOSE • 998-5900 • Open Mon.-Sat. 9-6

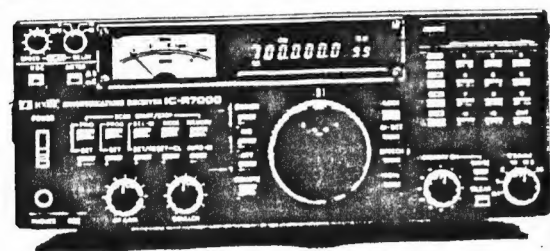
THE BEST

WE STOCK TOP BRANDS — TOP MODELS
WE WANT ONLY THE BEST FOR OUR CUSTOMERS!

ICOM The World System

Best in Communications
ICOM VHF/UHF Receiver

IC-R7000



Commercial Quality Band Scanner

It's the best 25 - 1000MHz and 1.24 - 1.3GHz continuous coverage receiver on the market. The IC-R7000. With 99 owner programmable memories, the IC-R7000 covers aircraft, marine, business, ham (amateur radio), emergency services, government and television bands...all for a remarkably low price.

Keyboard Entry. For simplified operation, the IC-R7000 features direct keyboard entry. Precise frequencies can be selected by pushing the digit keys in sequence of the frequency. The frequency will be automatically entered without changing

the main tuning knob. Memory channels may be called up by pressing the memory switch, then typing in the memory channel number from 1 to 99.

99 Memories. The IC-R7000 has 99 memories available to store your favorite frequencies, including the operating mode. All memories are backed up by a lithium battery.

Other Outstanding Features:

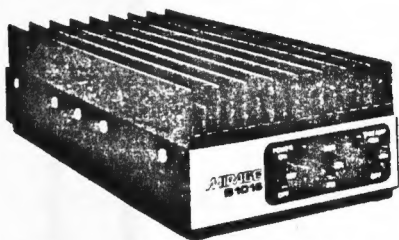
- FM/AM/SSB Modes
- Scanning, memory mode, select memory scan, priority, or programmable frequency times

- Narrow/Wide Filter Selection
- Fast Tuning Speeds: 0.1, 1.0, 5, 10, 12.5 or 250Hz
- Compact Size - 4 1/4" x 11 1/4" W x 8 1/4" D
- Dial Lock
- Motor Blanker
- S-meter, Center Meter
- Fluorescent Display with Dimmer Switch
- Optional RC-12 Infrared Remote Controller
- Optional Voice Synthesizer

See the IC-R7000 receiver at your authorized ICOM dealer.

MIRAGE
COMMUNICATIONS EQUIPMENT

B1016 2 Meter Amplifier
10W IN — 160W OUT



DUAL PURPOSE — H.T.s or transceivers
FEATURES:

- Built-in receive preamp
- Adjustable relay delay for SSB
- Remote control operation with optional RC-1 Remote Head
- Automatic internal or external relay keying
- 1 to 2 Watts in will give 30 to 60 Watts out

SPECIFICATIONS

Frequency Range

RF Power In

RF Power Out

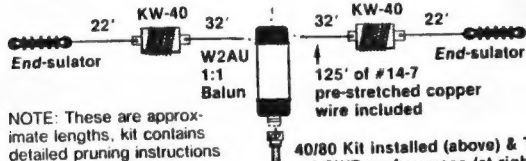
Modes

Receive Preamp

DC Power

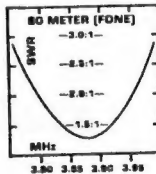
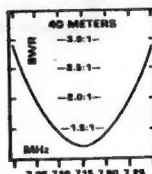
144 to 148 MHz
200 mw to 15 Watts
160 Watts nom. (10 in - 160 out)
SSB, FM and CW
10 db gain min. — 2.0 db ± .5 db noise figure
13.6 VDC 20-25 Amps

UNADILLA/REYCO/INLINE
A Division of Microwave Filter Co., Inc.



NOTE: These are approximate lengths, kit contains detailed pruning instructions for getting exact lengths.

40/80 Kit installed (above) & Typical SWR performance (at right).



QUEUMENT ELECTRONICS

1000 SO. BASCOM, SAN JOSE
PHONE: 998-5900
Open: Mon.-Sat. 9-6

EASY WHEELCHAIR ACCESS

• ANTENNAS • HAM GEAR • CITIZEN'S BAND • COMMERCIAL AND INDUSTRIAL PARTS SUPPLY • SERVICE DEPARTMENT • ACOUSTIC SOUND DEMONSTRATION ROOM • COMPLETE STEREO HI/FI DEPARTMENT



PARA
P.O. Box 911
Menlo Park
Ca. 94026

Andy Korsak
504 Lakewood Way
Redwood City CA 94062

VE3FZK 01/85

